

LISTING OF CLAIMS

1. **(Currently Amended)** A computer-implemented method for managing inventory, the method comprising:
synchronizing inventory balance information between a source computerized inventory management system and a target computerized inventory management system, wherein
the source computerized inventory management system and the target computerized inventory management system are among a plurality of computerized inventory management systems,
the synchronizing is bi-directional, **wherein**
the synchronizing is performed by an integration server, and
the synchronizing comprises
extracting inventory balance information in a source format ~~[[that]]~~ ,
wherein
the source format is a format used by the source computerized inventory management system, and
the inventory balance information in the source format is associated with the source computerized inventory management system,
converting the inventory balance information in the source format into inventory balance information in an intermediate format, ~~[[and]]~~
calculating an inventory balance difference between a source inventory balance and a target inventory balance, wherein
the inventory balance information in the intermediate format is configured to store the inventory balance difference,
converting the inventory balance information in the intermediate format into inventory balance information in a target format ~~that~~
~~corresponds to~~ , **wherein**
the target format is a format used by the target computerized inventory management system,

the inventory balance information in the target format
comprises the inventory balance difference, and
the inventory balance information in the target format is
associated with the target computerized inventory
management system, and
updating existing inventory balance information using the inventory
balance information in the target format, wherein
the existing inventory balance information is in the target
format,
the existing inventory balance information is associated with
the target computerized inventory management system,
and
the updating is based, at least in part, on the inventory balance
difference.

2. (Currently Amended) The computer-implemented method of Claim 1, further comprising:

requesting existing target inventory balance information from the target
computerized inventory management system, wherein
the requesting is performed by the integration server.
~~using the inventory balance information in the target format to update an~~
~~existing inventory balance record in the target computerized inventory~~
~~management system.~~

3. (Previously Presented) The computer-implemented method of Claim 1, further comprising:
extracting inventory balance information in a second source format that is associated
with a second source computerized inventory management system that is
distinct from the first source computerized inventory management system,
wherein
the second source computerized inventory management system is one of the
plurality of computerized inventory management systems;

- converting the inventory balance information in the second source format into
inventory balance information that is in the intermediate format;
converting the inventory balance information in the intermediate format into
inventory balance information in the target format; and
using the inventory balance information in the target format to update an existing
inventory balance record in the target computerized inventory management
system.
4. (Previously Presented) The computer-implemented method of Claim 1, wherein the intermediate format comprises a list of inventory balances class with a hierarchy of data elements.
5. **(Currently Amended)** The computer-implemented method of Claim 4, wherein the hierarchy of data elements **[[includes]] comprises** a plurality of inventory balance elements comprising:
a list of inventory balances element;
an inventory balance related inventory location element;
a list of related inventory balances for defining a plurality of related inventory balances; and
a custom data element for defining customized attributes for the inventory.
6. (Previously Presented) The computer-implemented method of Claim 5, wherein each of the plurality of inventory balance elements comprises a related inventory location element for defining related inventory location identifier.
7. (Previously Presented) The computer-implemented method of Claim 5, wherein each of the plurality of inventory balance elements comprises a list of inventory balance data element for defining a plurality of inventory balance data elements.
8. (Previously Presented) The computer-implemented method of Claim 5, wherein each of the plurality of inventory balance elements comprises an inventory balance custom data.

9. (Previously Presented) The computer-implemented method of Claim 7, wherein each of the plurality of inventory balance data elements comprises a related product element for defining a product identifier.
10. (Previously Presented) The computer-implemented method of Claim 7, wherein each of the plurality of inventory balance data element comprises a list of balance data element for defining a plurality of balance data elements.
11. (Previously Presented) The computer-implemented method of Claim 10, wherein each of the plurality of balance data elements comprises:
 - a bucket code element;
 - a quantity of product element;
 - a product unit of measure code element; and
 - a balance data custom data element.
12. **(Currently Amended)** A computer-readable storage medium carrying one or more sequences of instructions for managing inventory, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform:
 - synchronizing inventory balance information between a source computerized inventory management system and a target computerized inventory management system, wherein
 - the source computerized inventory management system and the target computerized inventory management system are among a plurality of computerized inventory management systems,
 - the synchronizing is bi-directional, **wherein**
 - the synchronizing is performed by an integration server,** and
 - the synchronizing comprises
 - extracting inventory balance information in a source format **[[that]]** ,
 - wherein**

the source format is a format used by the source
computerized inventory management system, and
the inventory balance information in the source format is

associated with the source computerized inventory
management system,

converting the inventory balance information in the source format into
inventory balance information in an intermediate format,

[[and]]

calculating an inventory balance difference between a source
inventory balance and a target inventory balance, wherein
the inventory balance information in the intermediate
format is configured to store the inventory balance
difference,

converting the inventory balance information in the intermediate
format into inventory balance information in [[the]] a target
format ~~that corresponds to a~~ , wherein

the target format is a format used by the target
computerized inventory management system,
the inventory balance information in the target format
comprises the inventory balance difference, and
the inventory balance information in the target format is
associated with the target computerized inventory
management system, and

updating existing inventory balance information using the
inventory balance information in the target format,
wherein
the existing inventory balance information is in the target
format,

the existing inventory balance information is associated
with the target computerized inventory management
system, and
the updating is based, at least in part, on the inventory
balance difference.

13. (Currently Amended) The computer-readable storage medium of Claim 12, further comprising:

requesting existing target inventory balance information from the target
computerized inventory management system, wherein
the requesting is performed by the integration server.

~~using the inventory balance information in the target format to update an~~
~~existing inventory balance record in the target computerized inventory~~
~~management system.~~

14. (Previously Presented) The computer-readable storage medium of Claim 12, further comprising:

extracting inventory balance information in a second source format that is associated
with a second source computerized inventory management system that is
distinct from the first source computerized inventory management system,
wherein

the second source computerized inventory management system is one of the
plurality of computerized inventory management systems;

converting the inventory balance information in the second source format into
inventory balance information that is in the intermediate format;

converting the inventory balance information in the intermediate format into
inventory balance information in the target format; and

using the inventory balance information in the target format to update an existing
inventory balance record in the target computerized inventory management
system.

15. (Previously Presented) The computer-readable storage medium of Claim 12, wherein the intermediate format comprises a list of inventory balances class with a hierarchy of data elements.
16. (Previously Presented) The computer-readable storage medium of Claim 15, wherein the hierarchy of data elements comprises a plurality of inventory balance elements comprising:
 - a list of inventory balances element;
 - an inventory balance related inventory location element;
 - a list of related inventory balances for defining a plurality of related inventory balances; and
 - a custom data element for defining customized attributes for the inventory.
17. (Previously Presented) The computer-readable storage medium of Claim 16, wherein each of the plurality of inventory balance elements comprises a related inventory location element for defining related inventory location identifier.
18. (Previously Presented) The computer-readable storage medium of Claim 16, wherein each of the plurality of inventory balance elements comprises a list of inventory balance data element for defining a plurality of inventory balance data elements.
19. (Previously Presented) The computer-readable storage medium of Claim 16, wherein each of the plurality of inventory balance elements comprises an inventory balance custom data.
20. (Previously Presented) The computer-readable storage medium of Claim 18, wherein each of the plurality of inventory balance data elements comprises a related product element for defining a product identifier.
21. (Previously Presented) The computer-readable storage medium of Claim 18, wherein each of the plurality of inventory balance data elements comprises a list of balance data element for defining a plurality of balance data.

22. (Previously Presented) The computer-readable storage medium of Claim 21, wherein each of the plurality of balance data elements comprises:
- a bucket code element;
 - a quantity of product element;
 - a product unit of measure code element; and
 - a balance data custom data element.

25-32 (Canceled)

33. **(New)** The computer-implemented method of Claim 2, further comprising: receiving the existing target inventory balance information from the target computerized inventory management system, wherein the receiving is performed by the integration server.
34. **(New)** The computer-implemented method of Claim 33, further comprising: converting the existing target inventory balance information in the target format into existing target inventory balance information in the intermediate format, wherein the existing target inventory balance information in the intermediate format comprises the target inventory balance, and the inventory balance information in the intermediate format comprises the source inventory balance.